

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

VENEZUELA TEST #203

MR2-06CV
MR4-06CV

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VENEZUELA TEST #203

The following cigarette brands from Venezuela were received at R & D and submitted for analyses on February 3, 1976. These cigarettes were of December, 1975 production.

Marlboro Regular 20's (Soft Pack)
Marlboro Long Size 20's (Box)

The Marlboro regular cigarettes were out of the established range limits in paper porosity and total reducing sugars.

The Marlboro long size cigarettes were out of the established range limits in tar, TPM and paper porosity.

	Marlboro Regular 20's (Soft Pack)		Marlboro Long Size 20's (Box)		U.S. ²
	Current	Range	Current	Range	
<u>Smoke</u>					
Butt length, mm	23	23	23	23	26
FTC Tar, mg/cigt.	22.0	19.6-23.6	23.3	24.9-28.9	17.4
TPM, mg/cigt.	28.2	25.1-29.1	28.9	31.8-35.8	21.9
Nicotine, mg/cigt.	1.36	1.10-1.50	1.42	1.40-1.80	1.04
Water, mg/cigt.	4.8	3.2-5.2	4.2	4.3-6.3	3.5
Puffs/cigt.	9.9	8.1-10.1	10.1	9.6-11.6	8.3
Filtration Eff., %	33	29-39	33	28-38	47
<u>Cigarette</u>					
Total RTD, in. of H ₂ O	3.4	3.2-4.2	3.4	3.3-4.3	4.5
mm of H ₂ O	86	81-107	86	84-109	114
Static Burn, Time, min.	10.0	8.5-10.5	8.3	7.6-9.6	7.6
Length, mm	70.2	69.5-70.5	80.3	79.6-80.6	79.6
Circumference, mm	25.1	24.9-25.3	25.1	24.9-25.3	25.0
Diameter, mm	8.0	7.9-8.1	8.0	7.9-8.1	8.0
<u>Paper</u>					
Porosity, sec.	76	31-51	20	38-58	20
<u>Filter</u>					
RTD, in. of H ₂ O	1.6	1.4-2.0	1.6	1.4-2.0	2.7
mm of H ₂ O	41	36-51	41	36-51	69
Length, mm	15.1	14.9-15.3	15.1	14.9-15.3	19.0
Weight, g	0.11	0.10-0.12	0.11	0.10-0.12	0.14
Tipping paper length, mm	20	20	20	20	23
<u>Filler</u>					
Total alkaloids, %	1.50	1.23-1.63	1.49	1.23-1.63	1.41
Total reducing sugars, %	7.6	8.0-10.0	8.2	8.1-10.1	6.5
Wt. of tob., 1,000 cigs., g	766	734-834	872	849-949	730
1,000 cigs., lbs.	1.6868	1.6151-1.8355	1.9200	1.8685-2.0889	1.6076
Rod Density, g/cc	0.277	0.276-0.296	0.267	0.266-0.286	0.245
¹ C.V., cc/10 g	32	-	33	-	36
C.V., cc/10 g (Corrected to 12% O.V.)	35	30-38	36	30-38	41
¹ Oven Volatiles, %	13.0	-	13.2	-	13.6

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

²Data from C.I. No. 2-76.

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